

FIG. 1(a)

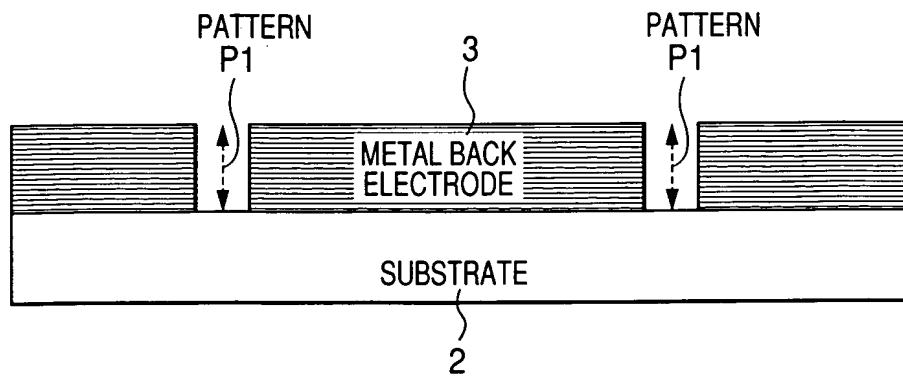


FIG. 1(b)

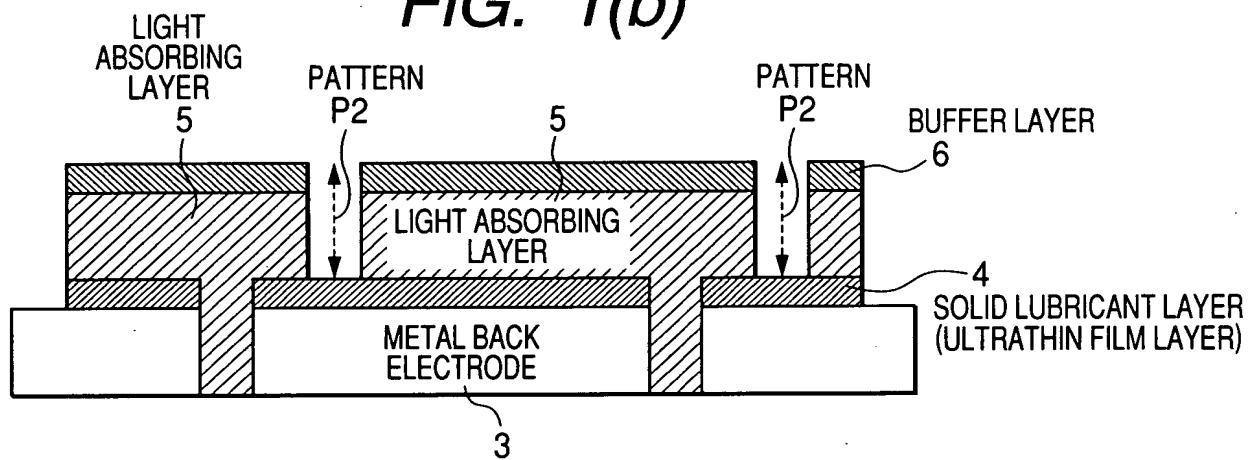


FIG. 1(c)

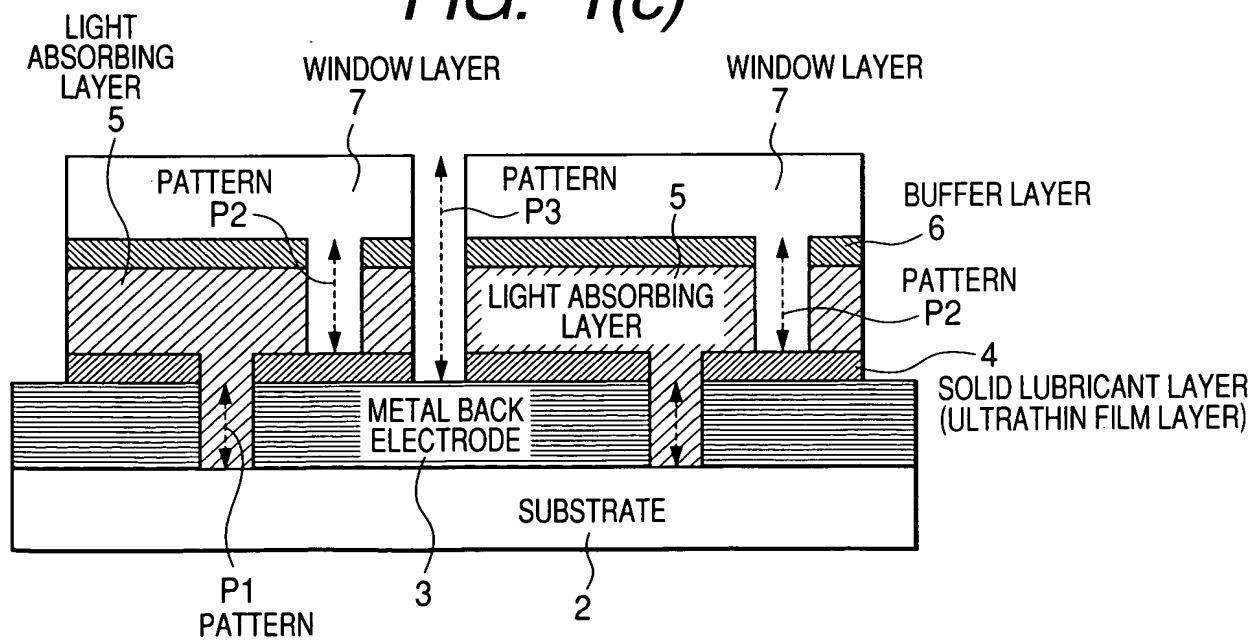
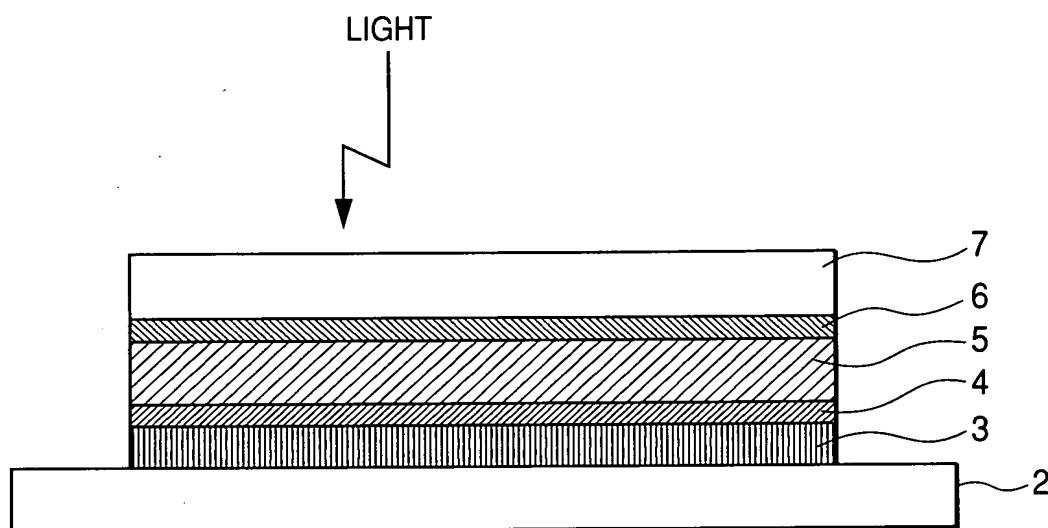


FIG. 2



INTEGRATED THIN-FILM SOLAR CELL 1

- 2: SUBSTRATE
- 3: METAL BACK ELECTRODE
- 4: SOLID LUBRICANT LAYER
- 5: LIGHT ABSORBING LAYER (p-TYPE)
- 6: INTERFACE LAYER (BUFFER LAYER)
- 7: WINDOW LAYER (n-TYPE)

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FIG. 3

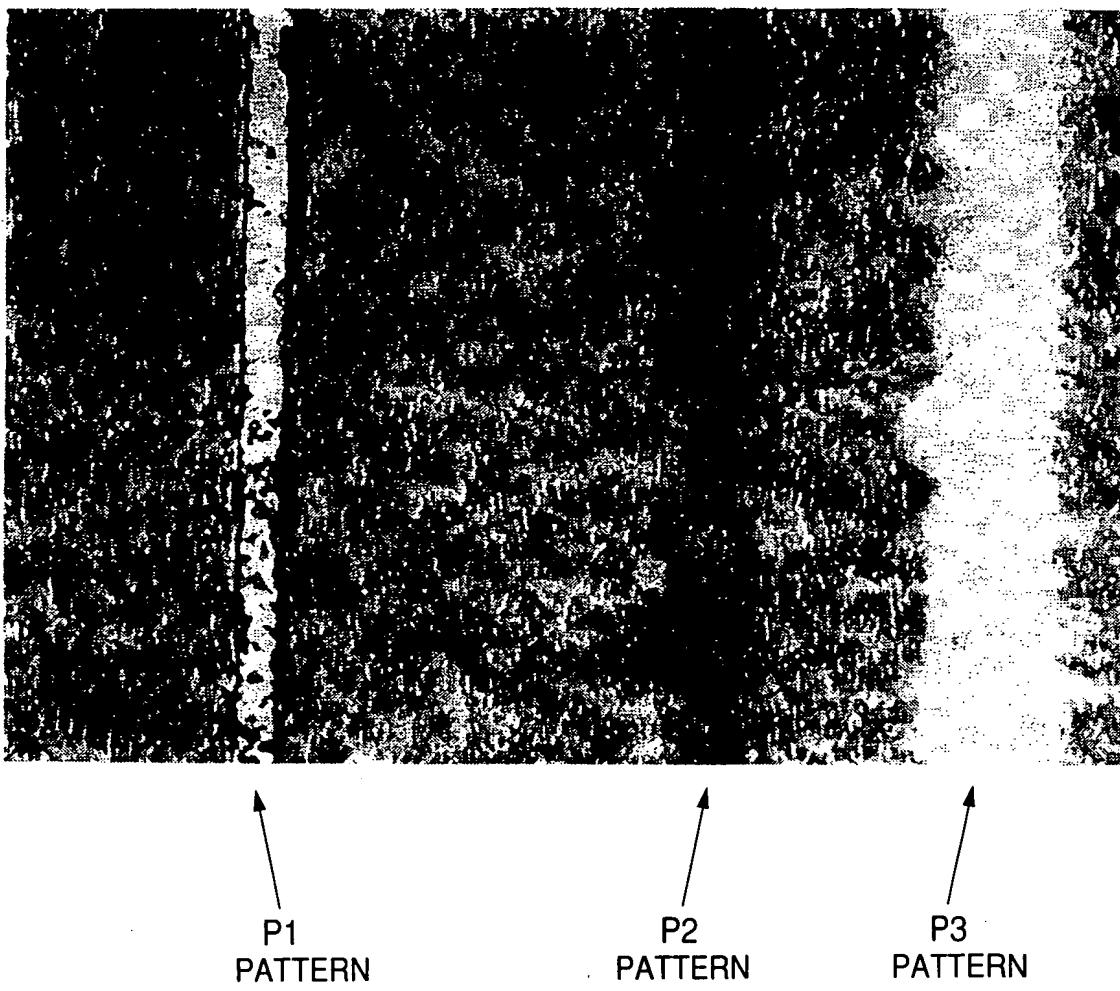


FIG. 4

CIGS LIGHT
ABSORBING LAYER

MoSe₂ ULTRATHIN
LAYER

Mo METAL BACK
ELECTRODE



500A

FIG. 5

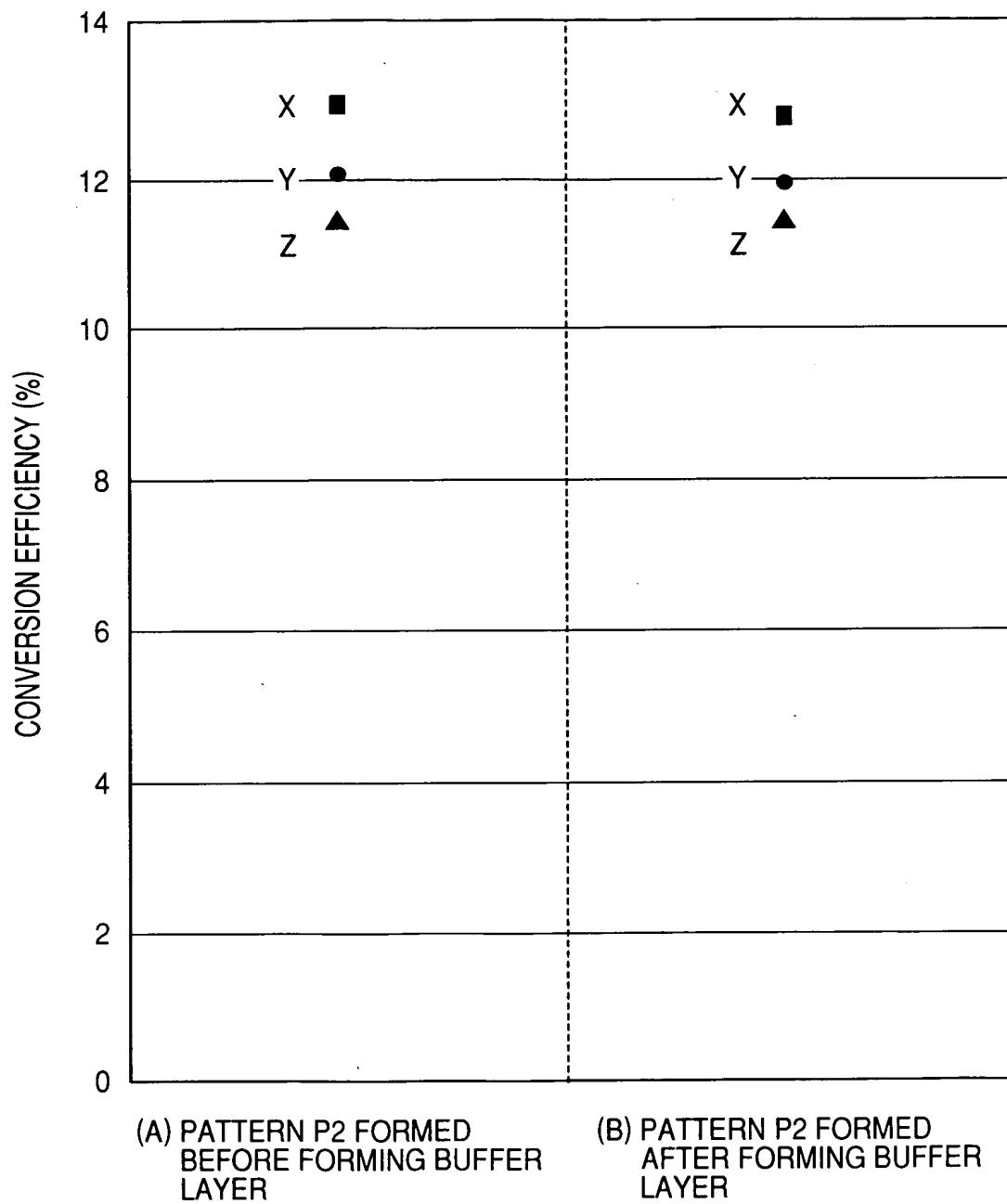


FIG. 6(a)



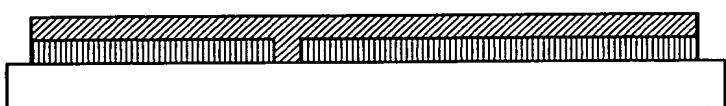
FORMING METAL BACK ELECTRODE LAYER ON SUBSTRATE

FIG. 6(b)



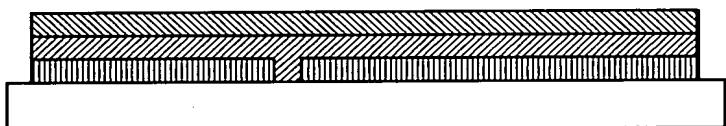
PATTERNING P1
CUTTING METAL BACK ELECTRODE LAYER

FIG. 6(c)



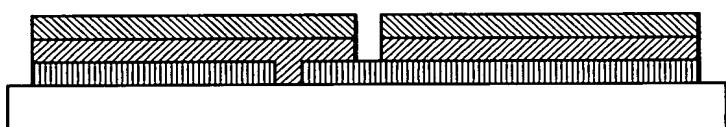
FORMATION OF LIGHT ABSORBING LAYER

FIG. 6(d)



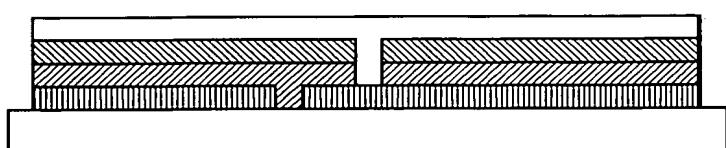
FORMATION OF BUFFER LAYER

FIG. 6(e)



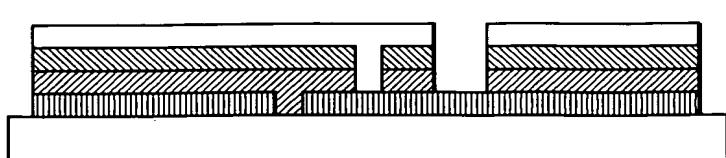
PATTERNING P2
CUTTING LIGHT ABSORBING LAYER AND BUFFER LAYER

FIG. 6(f)



FORMING WINDOW LAYER

FIG. 6(g)



PATTERNING P3
CUTTING LIGHT ABSORBING LAYER, BUFFER LAYER AND WINDOW LAYER